



## **FERO ENGINEERING**

ENVIRONMENTAL ENGINEERING & CONSULTING

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January 13, 2012

Mr. David Young  
California Regional Water Quality Control Board  
Los Angeles Region  
Site Cleanup Program  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, California 90013

Fourth Quarterly Groundwater Well Monitoring Report 2011  
**Continental Heat Treating**  
10643 Norwalk Boulevard, Santa Fe Springs, California  
(Site Id. No. 204GW00, SCP No. 1057)

Dear Mr. Young:

Fero Environmental Engineering, Inc. (Fero) conducted the required quarterly groundwater monitoring at the subject site on December 23, 2011. During the sampling event, Fero gauged the elevation of groundwater in four wells on the site (MW1-MW4) using an electronic gauging device, which allowed a monitoring accuracy of 0.01 foot. At each of the wells, the depth to groundwater measurements were made from the water surface to a survey mark etched in the casing. Well MW4 was installed on October 25, 2011 and at least one of the well tops needed to be adjusted as a result of onsite construction operations so a well survey was conducted on December 14, 2011 to tie the wellheads together to vertical and lateral controls. A copy of the survey data is included in Attachment C. Gauging data for this and for previous monitoring events are summarized in Table 1. The well locations are indicated on Figure 1.

The groundwater elevations were used to determine a tilted planar surface which represents the local groundwater table and this surface was superimposed onto the base map (Figure 1). The soil type at the slotted section of MW4 was considerably different than the soils located at the screened depths of the other wells. The soils contained primarily silt and clay at MW4 and it was more sand at the other well locations. The elevation data suggest a very slight mound at MW4. This should be reduced or explained with further well development or additional data from the former Exxon/Mobil site to the north. Fero intends to coordinate future sampling events with those conducted to the north. The resulting slope of the groundwater table indicates a flow direction away from MW4 to the south with the greatest observed change in gradient to the south southwest under a gradient of approximately 0.0067 ft/ft.

Following gauging and prior to sampling, groundwater monitoring wells MW1-3 were purged of 25 gallons of water, the volume of which was based upon the volume of freestanding water in the wells and the observed stabilization of physical/chemical parameters during purging. The monitoring wells were purged until pH, color, conductivity, and temperature had stabilized. The monitoring wells

were purged with a Grundfos variable speed 120-volt AC powered two stage centrifugal Stainless Steel purge pump with discharge through 1/2 inch PVC and Teflon tubing. Groundwater was pumped from the monitoring wells at a rate of approximately 1 gallon per minute. Physical and chemical purge monitoring parameters were measured in the field at the discharge line of the pump. Well purging data is attached hereto as Attachment A.

Subsequent to purging each well, the pump rate was reduced to approximately 100 ml/min whereupon a representative sample of groundwater was collected from the discharge line using 40 ml. glass sample vials. Teflon lined caps were secured tightly onto the 40 ml vials and each was visually inspected to assure that zero headspace had been achieved. The sample vials containing groundwater from each well were immediately placed in an ice chest containing ice and transported for analysis to Enviro-Chem, Inc. in Pomona accompanied by appropriate Chain-of-Custody documentation.

Fero attempted to develop newly installed well MW4 using a heavy 3 inch PVC bailer and the Grundfos pump after sampling the other wells on December 23, 2011. Because of the fine soil profile around the screened section of MW4, mud filled approximately 10 feet of screened section and the solids density of the mud was too high to allow the bailer to sink closer than about 10 feet from the bottom. Although the pump would drop into the mud, it was not able to pump it. A sample was collected from the clearer water above the mud using the bailer. The well was further developed on January 10, 2012 using a Smeal rig and bottom fill suction bailer. All of the particulates were removed from the well using the bailer and the well was further developed using a Grundfos pump. The well produced water at approximately 1/4 gallon per minute. A sample was collected from the Grundfos discharge line near the end of development process. Both sets of analytical data associated with the MW4 samplings in December 2011 and January 2012 are provided in Table 2.

The groundwater samples were analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260B. Groundwater VOC analytical results from this and from previous events are summarized in Table 2. Selected organics concentrations are included on Figure 1. Lab analytical reports with associated chain-of-custody documentation are attached hereto as Attachment B.

The next quarterly sampling is scheduled for March 2012. Should you have any questions regarding the content of this Quarterly Groundwater Monitoring Report, please do not hesitate to call the undersigned at (714) 256-2737.

Respectfully,  
Fero Environmental Engineering, Inc.

Rick L. Fero, P.E.  
President



**Table 1**  
Summary of Groundwater Elevation  
**Continental Heat Treating**  
10643 Norwalk Boulevard, Santa Fe Springs, California  
(Site Id. No. 204GW00, SCP No. 1057)

Well Number	Date	TOC Elevation (ft MSL)	Depth to Groundwater (ft)	Groundwater Elevation (ft MSL)
MW1	3/29/11	137.07	97.16	39.91
	6/15/11		94.50	42.57
	9/20/11		91.81	45.26
	12/23/11	137.08	90.13	46.95
MW2	3/29/11	137.43	96.45	40.98
	6/15/11		93.74	43.69
	9/20/11		91.06	46.37
	12/23/11	138.04	90.05	47.99
MW3	3/29/11	137.71	96.42	41.29
	6/15/11		93.94	43.77
	9/20/11		91.12	46.59
	12/23/11	137.03	89.43	47.60
MW4	12/23/11	137.55	89.43	48.12

**Table 2**  
**Summary of Groundwater Analyses**  
**Continental Heat Treating**  
10643 Norwalk Boulevard, Santa Fe Springs, California  
(Site Id. No. 204GW00, SCP No. 1057)  
(µg/L)  
(DL – 0.5 µg/L)

Well	Date	Ben	Chl	1,4- DCB	1,1- DCA	cis-1,2- DCE	t-1,2- DCE	1,2- DCA	1,1- DCE	HCB	NAP	1,1,2,2- TCA	PCE	1,2,3- TCB	1,2,4- TCB	TCE	TFM	VC
MW1	8/20/10	ND	0.97	ND	17.3	12.2	ND	113	224	ND	ND	ND	184	ND	ND	154	2.79	5.96
	3/29/11	ND	1.02	ND	17.7	600	14.9	ND	184	ND	ND	ND	210	ND	ND	170	5.54	27.8
	6/15/11	ND	1.50	ND	14.1	85.1	2.06	ND	117	ND	ND	ND	228	ND	ND	167	5.51	3.13
	9/23/11	ND	4.20	ND	25.3	118	2.14	ND	191	ND	ND	ND	182	ND	ND	164	13.2	3.50
	12/23/11	ND	3.33	ND	16.3	147	1.92	2.66	85.3	ND	1.90	ND	201	ND	ND	164	6.74	1.51
MW2	8/20/10	ND	1.71	0.78	21.8	59.6	0.76	5.43	126	1.14	2.47	0.92	235	2.72	1.24	178	9.49	0.89
	3/29/11	ND	1.89	ND	22.8	55.1	ND	2.74	161	1.14	ND	ND	214	ND	ND	158	10.0	0.53
	6/15/11	ND	3.07	ND	24.2	85.3	1.53	4.83	149	ND	ND	ND	338	ND	ND	172	13.1	3.09
	9/23/11	ND	5.08	ND	28.1	100	2.09	5.88	177	ND	ND	ND	245	ND	ND	161	21.3	4.01
	12/23/11	ND	3.66	ND	18.3	53.0	0.65	2.69	77.6	NC	ND	ND	252	ND	ND	148	10/6	ND
MW3	8/20/10	4.50	ND	ND	6.19	38.9	4.13	ND	57.1	1.18	2.43	ND	56.9	3.26	1.29	160	1.22	ND
	3/29/11	3.17	ND	ND	11.7	49.0	4.41	ND	185	ND	ND	ND	82.2	ND	ND	200	4.75	3.78
	6/15/11	1.01	0.91	ND	12.1	41.8	11.2	ND	124	ND	ND	ND	151	ND	ND	149	5.26	1.71
	9/23/11	ND	1.30	ND	14.3	43.6	13.6	ND	146	ND	ND	ND	120	ND	ND	130	7.45	1.32
	12/23/11	ND	1.61	ND	9.57	32.6	8.33	ND	62.1	ND	ND	ND	143	ND	ND	133	5.33	ND
MW4	12/23/11	ND	0.54	ND	3.61	172	5.47	ND	16.9	ND	3.05	ND	36.0	ND	ND	21.9	ND	8.20
	1/10/12	ND	ND	ND	5.08	62.2	2.88	ND	25.6	ND	3.22	ND	70.1	ND	ND	47.5	ND	3.51

DL – detection limit, ND = Not Detected at DL , Ben - Benzene, Chl - Chloroform, DCB - Dichlorobenzene, DCA – Dichloroethane, DCE – Dichlorethene, HCB – Hexachlorobutadiene, NAP – Naphalene, TCA – Tetracholoroethane, PCE – Tetrachloroethene, TCB – Tricholorobenzene, TCE – Trichloroethene, TFM – Trichlorofluoromethane , VC – Vinyl Chloride

**Table 2**  
**(cont.)**  
Summary of Groundwater Analyses  
**Continental Heat Treating**  
10643 Norwalk Boulevard, Santa Fe Springs, California  
(Site Id. No. 204GW00, SCP No. 1057)  
(µg/L)  
(DL – 0.5 µg/L)

Well	Date	Toluene	Sec- BBen	Ethyl Ben	IPB	4 IPT	n PBen	1,2,4- TMB	Xylene
MW1	12/23/11	ND	ND	ND	ND	ND	ND	ND	ND
MW2	12/23/11	ND	ND	ND	ND	ND	ND	ND	ND
MW3	12/23/11	ND	ND	ND	ND	ND	ND	ND	ND
MW4	12/23/11	1.50	3.72	1.42	7.02	0.65	7.03	ND	ND
	1/10/12	ND	2.71	1.61	6.04	ND	6.30	1.31	1.20

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DL – detection limit, ND = Not Detected at DL , sec-BBen – sec-Butylbenzene, EthylBen – Ethylbenzene, IPB - Isopropylbenzene, 4 IPT – 4- Isopropyltoluene, n PBen – n-Propylbenzene

Table 3

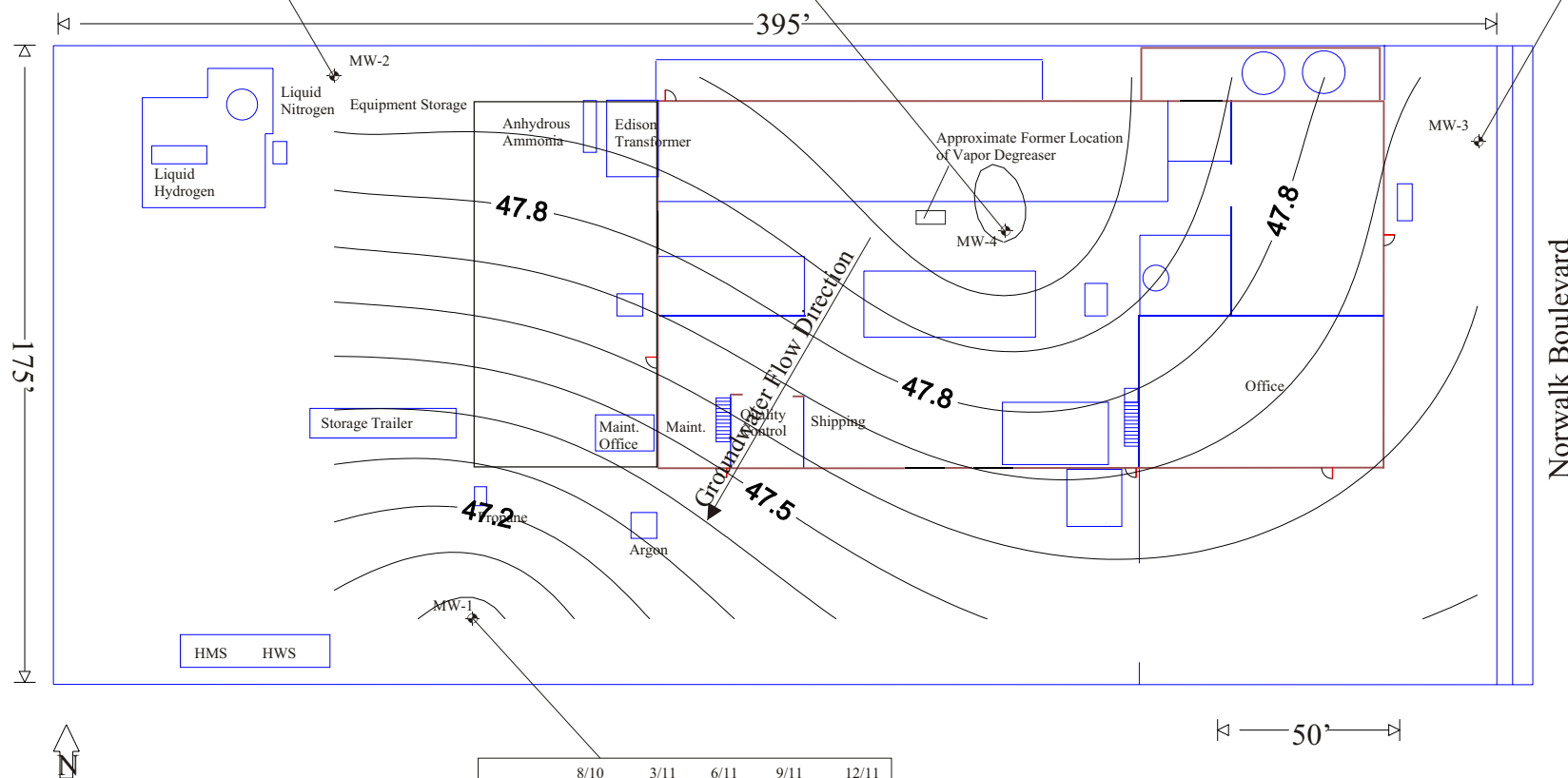
Continental Heat Treating  
 10643 South Norwalk Boulevard  
 Santa Fe Springs, CA  
 Monitoring Well Details

	MW-1	MW-2	MW-3	MW-4
installation date	8/3/2010	8/4/2010	8/5/2010	10/25/2011
elevation (ft MSL)	137.07	137.43	137.71	
depth of boring (ft)	120	120	120	120
casing diameter (in)	2	2	2	4
depth to top of screen (ft)	89	90	89	41.5
depth to bottom of screen (ft)	119	120	119	116.5
vapor probe depths (ft)	n/a	n/a	n/a	n/a
elevation (ft MSL 12/14/11)	137.08	138.04	137.73	138.53

	8/10	3/11	6/11	9/11	12/11
1,1-DCA	21.8	22.8	24.2	28.1	18.3
cis-1,2-DCE	59.6	55.1	85.3	100	53
1,2-DCA	5.43	2.74	4.83	5.88	2.69
1,1-DCE	126	161	149	177	77.6
PCE	235	214	338	245	255
TCE	178	158	172	161	148
VC	0.89	0.53	3.09	4.01	nd

	12/11	1/12
1,1-DCA	3.61	5.08
cis-1,2-DCE	172	62.2
1,2-DCA	nd	nd
1,1-DCE	16.9	25.6
PCE	36	70.1
TCE	21.9	47.5
VC	8.20	3.51

	8/10	3/11	6/11	9/11	12/11
1,1-DCA	6.19	11.7	12.1	14.3	9.57
cis-1,2-DCE	38.9	49.0	41.8	43.6	32.6
1,2-DCA	nd	nd	nd	nd	nd
1,1-DCE	57.1	185	124	146	62.1
PCE	56.9	82.2	151	120	143
TCE	160	200	149	130	133
VC	nd	3.78	1.71	1.32	nd



	8/10	3/11	6/11	9/11	12/11
1,1-DCA	17.3	17.7	14.1	25.3	16.3
cis-1,2-DCE	12.2	600	85.1	118	147
1,2-DCA	113	nd	nd	nd	2.66
1,1-DCE	224	184	117	191	85.3
PCE	184	210	228	182	201
TCE	154	170	167	164	164
VC	5.96	27.8	3.13	3.5	1.51

### Legend

✦ - Groundwater Monitoring Well



**FERO ENGINEERING**  
ENVIRONMENTAL ENGINEERING & CONSULTING

## Groundwater Flow Direction Continental Heat Treating, Inc. (12/23/11)

10643 South Norwalk Boulevard  
Santa Fe Springs, California

Base Map Source: Trilogy Regulatory Services

ATTACHMENT A

Well Purge Report



<b>Groundwater Well Monitoring Data</b>
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**Site:** Continental Heat Treating

**Job Number:** 10-0758

**Well I.D.:** MW1

**Date:** 12/23/11

**DTGW:** 90.13'

**Time Sampled:** 1:45 pm

**Purge Data**

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conduc. (µmho)</u>
5	71.5	7.25	1154
10	71.2	7.09	1165
15	71.5	7.05	1184
20	71.7	7.02	1202
25	71.5	7.03	1209

<b>Groundwater Well Monitoring Data</b>
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**Site:** Continental Heat Treating

**Job Number:** 10-0758

**Well I.D.:** MW2

**Date:** 09/23/11

**DTGW:** 90.05'

**Time Sampled:** 2:20 pm

**Purge Data**

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conduc. (µmho)</u>
5	72.5	7.01	1173
10	73.5	7.03	1209
15	73.5	7.04	1202
20	73.1	7.01	1187
25	72.6	7.01	1221

<b>Groundwater Well Monitoring Data</b>
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**Site:** Continental Heat Treating

**Job Number:** 10-0758

**Well I.D.:** MW3

**Date:** 09/23/11

**DTGW:** 89.43'

**Time Sampled:** 1:10 pm

**Purge Data**

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conduc. (µmho)</u>
5	73.4	6.99	1370
10	72.8	6.88	1362
15	71.6	6.88	1308
20	71.2	6.89	1336
25	72.0	6.89	1348

<b>Groundwater Well Monitoring Data</b>
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**Site:** Continental Heat Treating

**Job Number:** 10-0758

**Well I.D.:** MW4

**Date:** 09/23/11

**DTGW:** 89.43'

**Time Sampled:** 3:30 pm

**Purge Data**

Volume (gal.)

Temp (F)

pH

Conduc. (µmho)

5

NA

NA

NA

10

15

20

25

ATTACHMENT B

Enviro-Chem Laboratory Report

**Enviro - Chem, Inc.**

**1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907**

Date: January 3, 2012

Mr. John Petersen  
Fero Environmental Engineering, Inc.  
431 W. Lambert Road, Suite 305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

Project: Continental Heat Treating / 10-758  
Lab ID: 111223-37,38,39,40

Dear Mr. Petersen:

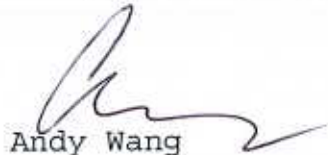
The **analytical results** for the water samples, received by our laboratory on December 23, 2011, are attached. All samples were received chilled, intact, and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Andy Wang  
Laboratory Manager

**LABORATORY REPORT FORM**

LABORATORY NAME: ENVIRO-CHEM, INC.

ADDRESS: 1214 E. LEXINGTON AVE., POMONA, CA 91766

LABORATORY CERTIFICATION

(ELAP) No.: 1555 EXPIRATION DATE: 06/30/2013

LABORATORY DIRECTOR'S NAME: CURTIS DESILETS

LABORATORY'S DIRECTOR SIGNATURE: \_\_\_\_\_

CLIENT: **Fero Environmental Engineering, Inc.**  
**431 W. Lambert Road, Suite 305**  
**Brea, CA 92821**  
**Tel (714) 256-2737 Fax (714) 256-1505**

PROJECT: **Continental Heat Treating / 10-758**

ANALYTICAL METHODS: EPA 5030B/8260B (VOCs)

SAMPLING DATE(S): 12/23/11

DATE RECEIVED: 12/23/11

DATE REPORTED: 01/03/12

SAMPLE MATRIX: WATER

EXTRACTION METHOD: SEE ATTACHMENTS

EXTRACTION MATERIAL: PER THE METHODS

CHAIN OF CUSTODY RECEIVED: YES NO

---- SAMPLE HEADSPACE DESCRIPTION (%): 0 %

---- SAMPLE CONTAINER MATERIAL: 40 ML VOA VIALS (6)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

LABORATORY REPORT FORM (COVER PAGE 2)

<u>ORGANIC ANALYSES</u>	# OF SAMPLES	# OF SAMPLES SUBCONTRACTED
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4	0
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SAMPLE CONDITION: CHILLED, INTACT, % HEADSPACE: 0%

<u>INORGANIC ANALYSES</u>	# OF SAMPLES	# OF SAMPLES SUBCONTRACTED
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0	0
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SAMPLE CONDITION:

<u>MICROBIOLOGICAL ANALYSES</u>	# OF SAMPLES	# OF SAMPLES SUBCONTRACTED
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0	0
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SAMPLE CONDITION:

<u>OTHER TYPES OF ANALYSES</u>	# OF SAMPLES	# OF SAMPLES SUBCONTRACTED
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0	0
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SAMPLE CONDITION:



## LABORATORY REPORT

METHOD: EPA 8260B      MATRIX: WATER      REPORTING UNIT: uG/L (PPB)  
PAGE: 1 OF 3 PAGES      PROJECT: Continental Heat Treating / 10-758

CUSTOMER:      **Fero Environmental Engineering, Inc.**  
                    **431 W. Lambert Road, Suite 305**  
                    **Brea, CA 92821**  
                    **Tel (714) 256-2737    Fax (714) 256-1505**

DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

DATE ANALYZED	<u>12/27/11</u>
DATE EXTRACTED	<u>12/27/11</u>
LAB SAMPLE I.D.	<u>111223-37</u>
CLIENT SAMPLE I.D.	<u>MW1</u>
EXTRACTION SOLVENT	<u>HELIUM GAS/WATER</u>
EXTRACTION METHOD	<u>EPA 5030B</u>
DILUTION FACTOR (DF)	<u>NONE (15 MLs PURGED)</u>

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	3.33
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

CUSTOMER: Fero Environmental Engineering, Inc.  
431 W. Lambert Road, Suite 305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

DATE RECEIVED: 12/23/11

COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	16.3
CIS-1,2-DICHLOROETHENE	0.5	ND	147
TRANS-1,2-DICHLOROETHENE	0.5	ND	1.92
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	2.66
1,1-DICHLOROETHENE	0.5	ND	85.3
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	1.90
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

## LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: uG/L (PPB)  
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 10-758

CUSTOMER: **Fero Environmental Engineering, Inc.**  
431 W. Lambert Road, Suite 305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

-----  
DATE ANALYZED 12/27/11  
DATE EXTRACTED 12/27/11  
LAB SAMPLE I.D. 111223-37  
CLIENT SAMPLE I.D. MW1  
EXTRACTION SOLVENT HELIUM GAS/WATER  
EXTRACTION METHOD EPA 5030B  
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	201
TOLUENE	0.5	ND	1.39
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	164
TRICHLOROFLUOROMETHANE	0.5	ND	6.74
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	1.51
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

uG/L = MICROGRAM PER LITER = PPB

CRDL = CONTRACT REQUIRED DETECTION LIMIT

MB = METHOD BLANK

ND = NON-DETECTED OR BELOW THE CRDL

-----  
DATA APPROVED BY: 

## LABORATORY REPORT

METHOD: EPA 8260B      MATRIX: WATER      REPORTING UNIT: µG/L (PPB)  
PAGE: 1 OF 3 PAGES      PROJECT: Continental Heat Treating / 10-758

CUSTOMER:      **Fero Environmental Engineering, Inc.**  
                    **431 W. Lambert Road, Suite 305**  
                    **Brea, CA 92821**  
                    **Tel (714) 256-2737    Fax (714) 256-1505**

DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

DATE ANALYZED	<u>12/27/11</u>
DATE EXTRACTED	<u>12/27/11</u>
LAB SAMPLE I.D.	<u>111223-38</u>
CLIENT SAMPLE I.D.	<u>MW2</u>
EXTRACTION SOLVENT	<u>HELIUM GAS/WATER</u>
EXTRACTION METHOD	<u>EPA 5030B</u>
DILUTION FACTOR (DF)	<u>NONE (15 MLs PURGED)</u>

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	3.66
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -



**LABORATORY REPORT**

METHOD: EPA 8260B      MATRIX: WATER      REPORTING UNIT: µG/L (PPB)  
PAGE: 2 OF 3 PAGES      PROJECT: Continental Heat Treating / 10-758

CUSTOMER:      **Fero Environmental Engineering, Inc.**  
431 W. Lambert Road, Suite 305  
Brea, CA 92821  
Tel (714) 256-2737      Fax (714) 256-1505

DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

DATE ANALYZED	<u>12/27/11</u>
DATE EXTRACTED	<u>12/27/11</u>
LAB SAMPLE I.D.	<u>111223-38</u>
CLIENT SAMPLE I.D.	<u>MW2</u>
EXTRACTION SOLVENT	<u>HELIUM GAS/WATER</u>
EXTRACTION METHOD	<u>EPA 5030B</u>
DILUTION FACTOR (DF)	<u>NONE (15 MLs PURGED)</u>

COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	18.3
CIS-1,2-DICHLOROETHENE	0.5	ND	53.0
TRANS-1,2-DICHLOROETHENE	0.5	ND	0.65
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	2.69
1,1-DICHLOROETHENE	0.5	ND	77.6
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

**Enviro - Chem, Inc.**

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

**LABORATORY REPORT**

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: uG/L (PPB)  
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 10-758

CUSTOMER: **Fero Environmental Engineering, Inc.**  
431 W. Lambert Road, Suite 305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

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DATE ANALYZED 12/27/11  
DATE EXTRACTED 12/27/11  
LAB SAMPLE I.D. 111223-38  
CLIENT SAMPLE I.D. MW2  
EXTRACTION SOLVENT HELIUM GAS/WATER  
EXTRACTION METHOD EPA 5030B  
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	252 (DF=5)
TOLUENE	0.5	ND	1.11
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	148
TRICHLOROFLUOROMETHANE	0.5	ND	10.6
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	ND
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

uG/L = MICROGRAM PER LITER = PPB

CRDL = CONTRACT REQUIRED DETECTION LIMIT

MB = METHOD BLANK

ND = NON-DETECTED OR BELOW THE CRDL

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DATA APPROVED BY: 

## LABORATORY REPORT

METHOD: EPA 8260B      MATRIX: WATER      REPORTING UNIT: ug/L (PPB)  
PAGE: 1 OF 3 PAGES      PROJECT: Continental Heat Treating / 10-758

CUSTOMER:      **Fero Environmental Engineering, Inc.**  
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                    Brea, CA 92821  
                    Tel (714) 256-2737      Fax (714) 256-1505

DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

DATE ANALYZED	<u>12/27/11</u>
DATE EXTRACTED	<u>12/27/11</u>
LAB SAMPLE I.D.	<u>111223-39</u>
CLIENT SAMPLE I.D.	<u>MW3</u>
EXTRACTION SOLVENT	<u>HELIUM GAS/WATER</u>
EXTRACTION METHOD	<u>EPA 5030B</u>
DILUTION FACTOR (DF)	<u>NONE (15 MLs PURGED)</u>

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	1.61
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

## LABORATORY REPORT

METHOD: EPA 8260B      MATRIX: WATER      REPORTING UNIT: µG/L (PPB)  
PAGE: 2 OF 3 PAGES      PROJECT: Continental Heat Treating / 10-758

CUSTOMER:      **Fero Environmental Engineering, Inc.**  
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DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

DATE ANALYZED	<u>12/27/11</u>
DATE EXTRACTED	<u>12/27/11</u>
LAB SAMPLE I.D.	<u>111223-39</u>
CLIENT SAMPLE I.D.	<u>MW3</u>
EXTRACTION SOLVENT	<u>HELIUM GAS/WATER</u>
EXTRACTION METHOD	<u>EPA 5030B</u>
DILUTION FACTOR (DF)	<u>NONE (15 MLs PURGED)</u>

COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	9.57
CIS-1,2-DICHLOROETHENE	0.5	ND	32.6
TRANS-1,2-DICHLOROETHENE	0.5	ND	8.33
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	ND
1,1-DICHLOROETHENE	0.5	ND	62.1
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -



## LABORATORY REPORT

METHOD: EPA 8260B      MATRIX: WATER      REPORTING UNIT: uG/L (PPB)  
PAGE: 3 OF 3 PAGES      PROJECT: Continental Heat Treating / 10-758

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DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

DATE ANALYZED	<u>12/27/11</u>
DATE EXTRACTED	<u>12/27/11</u>
LAB SAMPLE I.D.	<u>111223-39</u>
CLIENT SAMPLE I.D.	<u>MW3</u>
EXTRACTION SOLVENT	<u>HELIUM GAS/WATER</u>
EXTRACTION METHOD	<u>EPA 5030B</u>
DILUTION FACTOR (DF)	<u>NONE (15 MLs PURGED)</u>

COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	143
TOLUENE	0.5	ND	1.50
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	133
TRICHLOROFLUOROMETHANE	0.5	ND	5.33
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	ND
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

uG/L = MICROGRAM PER LITER = PPB

CRDL = CONTRACT REQUIRED DETECTION LIMIT

MB = METHOD BLANK

ND = NON-DETECTED OR BELOW THE CRDL

DATA APPROVED BY: \_\_\_\_\_

**LABORATORY REPORT**

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: uG/L (PPB)  
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 10-758

CUSTOMER: **Fero Environmental Engineering, Inc.**  
**431 W. Lambert Road, Suite 305**  
**Brea, CA 92821**  
**Tel (714) 256-2737 Fax (714) 256-1505**

DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

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DATE ANALYZED 12/27/11  
DATE EXTRACTED 12/27/11  
LAB SAMPLE I.D. 111223-40  
CLIENT SAMPLE I.D. MW4  
EXTRACTION SOLVENT HELIUM GAS/WATER  
EXTRACTION METHOD EPA 5030B  
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	3.72
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	0.54
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

## LABORATORY REPORT

METHOD: EPA 8260B      MATRIX: WATER      REPORTING UNIT: uG/L (PPB)  
PAGE: 2 OF 3 PAGES      PROJECT: Continental Heat Treating / 10-758

CUSTOMER:      **Fero Environmental Engineering, Inc.**  
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                    **Brea, CA 92821**  
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DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

DATE ANALYZED	12/27/11
DATE EXTRACTED	12/27/11
LAB SAMPLE I.D.	111223-40
CLIENT SAMPLE I.D.	MW4
EXTRACTION SOLVENT	HELIUM GAS/WATER
EXTRACTION METHOD	EPA 5030B
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	3.61
CIS-1,2-DICHLOROETHENE	0.5	ND	172
TRANS-1,2-DICHLOROETHENE	0.5	ND	5.47
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	ND
1,1-DICHLOROETHENE	0.5	ND	16.9
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	1.42
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	7.02
4-ISOPROPYLTOLUENE	0.5	ND	0.65
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	3.05
N-PROPYLBENZENE	0.5	ND	7.03
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

**Enviro - Chem, Inc.**

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**LABORATORY REPORT**

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: uG/L (PPB)  
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 10-758

CUSTOMER: **Fero Environmental Engineering, Inc.**  
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DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

DATE ANALYZED 12/27/11  
DATE EXTRACTED 12/27/11  
LAB SAMPLE I.D. 111223-40  
CLIENT SAMPLE I.D. MW4  
EXTRACTION SOLVENT HELIUM GAS/WATER  
EXTRACTION METHOD EPA 5030B  
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	36.0
TOLUENE	0.5	ND	ND
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	21.9
TRICHLOROFLUOROMETHANE	0.5	ND	ND
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	8.20
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

uG/L = MICROGRAM PER LITER = PPB

CRDL = CONTRACT REQUIRED DETECTION LIMIT

MB = METHOD BLANK

ND = NON-DETECTED OR BELOW THE CRDL

DATA APPROVED BY: 



**QA/QC REPORT**

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: uG/L (PPB)  
PAGE: 1 OF 8 PAGES PROJECT: Continental Heat Treating / 10-758

CUSTOMER: **Fero Environmental Engineering, Inc.**  
**431 W. Lambert Road, Suite 305**  
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**Tel (714) 256-2737 Fax (714) 256-1505**

DATE SAMPLED: 12/23/11

DATE RECEIVED: 12/23/11

-----  
DATE ANALYZED 12/27/11

DATE EXTRACTED 12/27/11

SEE ATTACHED PAGES (7)

Date Analyzed: 12/27/2011Method: 524BW146Machine: BMatrix: Water  
Unit: ug/L (PPB)

## Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 110919-23 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Trichloroethene	0.00	25.0	24.4	98%	24.6	98%	1%	80-120	0-20
Toluene	0.00	25.0	20.6	82%	20.8	83%	1%	80-120	0-20
Ethylbenzene	0.00	25.0	22.1	88%	22.3	89%	1%	80-120	0-20
Cis-1,2-Dichloroethene	0.00	25.0	20.5	82%	21.7	87%	6%	80-120	0-20
Tetrachloroethene	0.00	25.0	25.5	102%	28.2	113%	10%	80-120	0-20

## Lab Control Spike (LCS)

Analyte	spk conc	LCS	%RC	ACP %RC
1,1,1-TCA	25.0	23.3	93%	80-120
Tetrachloroethene	25.0	26.0	104%	80-120
Benzene	25.0	21.8	87%	80-120
Toluene	25.0	21.5	86%	80-120
Ethylbenzene	25.0	22.1	88%	80-120
Chloroform	25.0	20.6	82%	80-120

Calibration date: 4/12/2011

## Continuing Calibration Check (CCC)

Analyte	AvgRF	CCRF	%Dev	%RSD
1,1,1-TCA	0.985	1.013	2.84	4.36
Trichloroethene	0.369	0.326	11.65	6.14
Tetrachloroethene	0.983	1.064	8.24	6.54
Toluene	1.552	1.575	1.48	7.84
Chloroform	1.097	1.229	12.03	4.23
Cis-1,2-Dichloroethene	1.534	1.591	3.72	6.76

Surrogate Recovery	spk conc	ACP%	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	111223-37	111223-38	111223-39	111223-40		
Dibromofluoromethane	25.0	75-125	73%	83%	73%	82%	98%		
Toluene-d8	25.0	75-125	96%	96%	94%	97%	101%		
4-Bromofluorobenzene	25.0	75-125	96%	100%	97%	101%	93%		

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	75-125							
Toluene-d8	25.0	75-125							
4-Bromofluorobenzene	25.0	75-125							

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	75-125							
Toluene-d8	25.0	75-125							
4-Bromofluorobenzene	25.0	75-125							

\* = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.

S.R. = Sample Results

spk conc = Spike Concentration

MS = Matrix Spike

%RC = Percent Recovery

ACP %RC = Accepted Percent Recovery

MSD = Matrix Spike Duplicate

Analyzed/Reviewed By: Final Reviewer: 

GC Sequence #	Standard Name:	Solvent	Stock Standard	Calculation STD V X STD Conc. = Final Conc. Total Volume	Ref./ Page	Prep. Date	Exp. Date	Initial
2518	8260B In/surv	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: 8260B In/surv Source: GC-2519 Cat #: — Lot #: — Exp. Date: —	detail in logbook A3. P. 31 $x = 50 \text{ ppm}$		9/15/2011	8/31/2012	sch
2519	8260B BTB	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: 8260B In/surv Source: GC-2519 Cat #: — Lot #: — Exp. Date: —	1mL 50ppm <del>10.0mL</del> x <del>50ppm</del> = 5 ppm 10.0mL		9/15/2011	8/31/2012	sch
2520	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: Gas std Source: ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 5/13/13	12.5mL x 200ppm = 50.0ppm 0.5mL		9/19/2011	9/25/2011	sch
2521	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: Gas STD Source: ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 5/13/13	12.5mL x 200ppm = 50.0ppm 0.5mL		9/26/2011	9/14/2011	AW
2522	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: Gas STD Source: ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 5/13/13	12.5mL x 200ppm = 50.0ppm 0.5mL		9/3/2011	9/14/2011	AW
2523	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: Gas STD Source: ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 5/13/13	12.5mL x 200ppm = 50.0ppm 0.5mL		10/10/2011	10/10/2011	AW
2524	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: Gas STD Source: ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 5/13/13	12.5mL x 200ppm = 50.0ppm 0.5mL		10/17/2011	10/23/2011	AW



Sequence #	Standard Name:	Solvent	Stock Standard	STD V X STD Conc. = Final Conc. Total Volume	Ref. / Page	Prep. Date	Exp. Date	Initial
2524	8260 B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: Gas STD Source: Ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 5/13/13	12.5ul X 2000ppm = 50.0ppm 0.5mL		10/24/2011	10/30/2011	PK
2525	8260 B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: Gas STD Source: Ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 9/30/14	12.5ul X 2000ppm = 50.0ppm 0.5mL		10/31/2011	11/16/2011	PK
2526	8260 B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: Gas STD Source: Ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 9/30/14	12.5ul X 2000ppm = 50.0ppm 0.5mL		11/7/2011	11/13/2011	PK
2527	Acetone	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 094663 110412 Exp. Date: —	Name: Acetone Source: Aldrich Cat #: 11022-1 Lot #: 15575PB Exp. Date: —	26.09ul X 0.839 x 900 = 2000ppm (avg/mL) 100 mL		11/1/2011	11/10/2011	J.T.
2528	8260 B JSKun	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: — Source: — Cat #: — Lot #: — Exp. Date: —	Check Detail in x Logbook A3-P32		11/1/2011	10/31/2012	J.T.
2529	8260 B CCV	Name: Methanol Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: — Source: — Cat #: — Lot #: — Exp. Date: —	Check Detail in x Logbook A3-33		11/1/2011	11/10/2012	J.T.
2530	8260 LCS	Name: Methanol Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date: —	Name: — Source: — Cat #: — Lot #: — Exp. Date: —	Check Detail in x Logbook A3-34		11/1/2011	10/6/2012	J.T.



Standard Name: 8260 LCSAnalyst: J.T.GC #: 2530Preparation Date: 4/11/2011Expiration Date: 10/20/12

Compound Name	Source	Catalog #	Lot #	Exp date	Calculation STD V x STD Conc Total Volume = Final Conc	Initial
Acrolein	GIC 2527			11/10/2012	$\frac{250 \mu\text{L} \times 2000 \text{ ppm}}{100 \text{ mL}} = 500 \text{ ppm}$	S.T.
VOC Mixture H Cerilliant		ERS-079	ER10160701	10/6/012	$\frac{250 \mu\text{L} \times 2000 \text{ ppm}}{100 \text{ mL}} = 500 \text{ ppm}$	S.T.
VOC Mixture R Ultra Sci		DJWM-192	CG-2384	8/31/2013	$\frac{250 \mu\text{L} \times 2000 \text{ ppm}}{100 \text{ mL}} = 500 \text{ ppm}$	S.T.
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	

Total Standard Volume: 0.750 mL  
750  $\mu\text{L}$ Added Solvent Volume: 9.250 mLFinal Volume: 100 mL

Standard Name: 860B CAV

Analyst: J.T.

GC #: 2529

Preparation Date: 11/11/2011

Expiration Date: 11/10/2012

Compound Name	Source	Catalog #	Lot #	Exp date	Calculation STD V x STD Conc = Final Conc	Initial
					Total Volume	
Acrolein	GC2527			11/10/2012	$250 \mu\text{L} \times 2000 \text{ ppm} = 50.0 \text{ ppm}$ 10.0 mL	J.T.
VOC Mixture	ultra	DWM-589N	C4-3339	11/30/2014	$250 \mu\text{L} \times 2000 \text{ ppm} = 50.0 \text{ ppm}$ 10.0 mL	J.T.
VOC Mixture	ultra	DWM-592	CG-2384	8/31/2013	$250 \mu\text{L} \times 2000 \text{ ppm} = 50.0 \text{ ppm}$ 10.0 mL	J.T.
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	

Total Standard Volume: 0.750 mL

Added Solvent Volume: 9.250 mL

Final Volume: 10.0

GC Sequence #	Standard Name:	Solvent	Stock Standard	Calculation STD V X STD Conc. = Final Conc. Total Volume	Ref. / Page	Prep. Date	Exp. Date	Initial
2552	8141 CCU	Name: Source: Cat #: Lot #: Exp. Date:	Name: Organophosphorus Source: Ultra Cat #: SPN-8284-1 Lot #: CH-3089 Exp. Date: 1/31/2012	$\frac{12.5 \text{ ml} \times 2000 \text{ ppm}}{0.5 \text{ ml}} = 500.0 \text{ ppm}$		2/7/11	1/31/12	AN
2553	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: Gas std Source: Ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 9/30/14	$\frac{12.5 \text{ ml} \times 2000 \text{ ppm}}{0.5 \text{ ml}} = 50.0 \text{ ppm}$		12/20/11	12/19/11	PW
2554	8260B Gasoline	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: unleaded Gasoline Source: Ultra Cat #: R60-603 Lot #: P-0621 X Exp. Date: 8/31/2013	$\frac{0.5 \text{ ml} \times 5000 \text{ ppm}}{5.0 \text{ ml}} = 500.0 \text{ ppm}$		2/20/11	12/11/12	
2555	8081 Degradation	Name: Heptane Source: Fisher Cat #: H307-4 Lot #: 106706 Exp. Date:	Name: 8081 Degradation Source: Rejtek Cat #: 32417 Lot #: A-0844 Exp. Date: 02/20/12	$\frac{50 \text{ ml} \times 100, 200 \text{ ppm}}{50 \text{ ml}} = 0.1, 0.2 \text{ ppm}$		12/12/11	02/20/12	ZC
2556	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: Gas std Source: Ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 9/30/14	$\frac{12.5 \text{ ml} \times 2000 \text{ ppm}}{0.5 \text{ ml}} = 50.0 \text{ ppm}$		12/20/11	12/20/11	PW
2557	8260B 15/5um	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: Source: Cat #: Lot #: Exp. Date:	Check Detail in x Logbook = A3-P36		12/20/11	10/31/12	PW
2558	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: Gas std Source: Ultra Cat #: DWM-544 Lot #: GC-1486 Exp. Date: 9/30/14	$\frac{12.5 \text{ ml} \times 2000 \text{ ppm}}{0.5 \text{ ml}} = 50.0 \text{ ppm}$		12/20/11	11/3/12	PW

0



Standard Name: 87608 IS/sur

Analyst: PW

GC #: 2457

Preparation Date: 12/22/2011

Expiration Date: 10/31/2012

Compound Name	Source	Catalog #	Lot #	Exp date	Calculation STD V x STD Conc Total Volume = Final Conc	Initial
Internal Standard	Ultra Scientific	STM-341N-1	CE-2154 A	10/31/2012	$\frac{125 \text{ mL} \times 2000 \text{ ppm}}{5.0 \text{ mL}} = 50.0 \text{ ppm}$	PW
Surrogate Standard	Ultra Scientific	STM-330N-1	CH-0721	4/30/2014	$\frac{125 \text{ mL} \times 2000 \text{ ppm}}{5.0 \text{ mL}} = 50.0 \text{ ppm}$	PW
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	

Total Standard Volume: 0.250 mL

Added Solvent Volume: 4.75 mL

Final Volume: 5.0 mL

CA-DHS ELAP CERTIFICATE #1555

## Turnaround Time

☐ Same Day  
☐ 24 Hours  
☐ 48 Hours  
☐ 72 Hours  
☒ 1 Week (Standard)  
 Other:

[illegible]

## CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

**Enviro - Chem, Inc.**

**1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907**

Date: January 11, 2012

Mr. John Petersen  
Fero Environmental Engineering, Inc.  
431 W. Lambert Road, Suite 305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

Project: **10-758 / Continental Heat Treating**  
Lab I.D.: **120110-4**

Dear Mr. Petersen:

The **analytical results** for the water sample, received by our lab on January 10, 2012, are attached. The sample was received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Andy Wang  
Laboratory Manager

## LABORATORY REPORT

CUSTOMER: Fero Environmental Engineering, Inc.  
431 W. Lambert Road, #305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

PROJECT: 10-758 / Continental Heat Treating

MATRIX: WATER

DATE SAMPLED: 01/10/12

REPORT TO: MR. JOHN PETERSEN

SAMPLE I.D.: MW4

DATE RECEIVED: 01/10/12

DATE ANALYZED: 01/10/12

DATE REPORTED: 01/11/12

LAB I.D.: 120110-4

-----  
**ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2**

UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	2.71	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	5.08	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	25.6	1
CIS-1,2-DICHLOROETHENE	62.2	1
TRANS-1,2-DICHLOROETHENE	2.88	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: 



**Enviro - Chem, Inc.**

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

**LABORATORY REPORT**

CUSTOMER: Fero Environmental Engineering, Inc.  
431 W. Lambert Road, #305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

PROJECT: 10-758 / Continental Heat Treating

MATRIX: WATERDATE SAMPLED: 01/10/12REPORT TO: MR. JOHN PETERSENSAMPLE I.D.: MW4DATE RECEIVED: 01/10/12DATE ANALYZED: 01/10/12DATE REPORTED: 01/11/12

LAB I.D.: 120110-4

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2

UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	1.61	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	6.04	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	3.22	1
N-PROPYLBENZENE	6.30	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	70.1	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	47.5	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	1.31	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	3.51	1
M/P-XYLENE	ND	2
O-XYLENE	1.20	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT

ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: 

CAL-DHS CERTIFICATE # 1555



**Enviro - Chem, Inc.**

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

**METHOD BLANK REPORT**

CUSTOMER: Fero Environmental Engineering, Inc.  
431 W. Lambert Road, #305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

PROJECT: 10-758 / Continental Heat Treating

MATRIX: WATER

DATE SAMPLED: 01/10/12

REPORT TO: MR. JOHN PETERSEN

DATE RECEIVED: 01/10/12

DATE ANALYZED: 01/10/12

DATE REPORTED: 01/11/12

METHOD BLANK FOR LAB I.D.: 120110-4

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2

UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: 

## METHOD BLANK REPORT

CUSTOMER: Fero Environmental Engineering, Inc.  
431 W. Lambert Road, #305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

PROJECT: 10-758 / Continental Heat Treating

MATRIX: WATER

DATE SAMPLED: 01/10/12

REPORT TO: MR. JOHN PETERSEN

DATE RECEIVED: 01/10/12

DATE ANALYZED: 01/10/12

DATE REPORTED: 01/11/12

METHOD BLANK FOR LAB I.D.: 120110-4

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2

UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT

ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:

CAL-DHS CERTIFICATE # 1555



**Enviro-Chem, Inc.**

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905

Fax (909)590-5907

**8260B QA/QC Report**

Date Analyzed: 1/10/2012

Machine: B

Matrix: Water/Liquid

Unit: ug/L (PPB)

**Matrix Spike (MS)/Matrix Spike Duplicate (MSD)**

Spiked Sample Lab I.D.: 120110-LCS1/2

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	21.4	86%	22.6	90%	5%	75-125	0-20
Chlorobenzene	0	25.0	23.8	95%	23.0	92%	3%	75-125	0-20
1,1-Dichloroethene	0	25.0	24.3	97%	25.7	103%	6%	75-125	0-20
Toluene	0	25.0	20.2	81%	23.3	93%	12%	75-125	0-20
Trichloroethene (TCE)	0	25.0	21.0	84%	22.7	91%	7%	75-125	0-20

**Lab Control Spike (LCS):**

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	28.3	113%	75-125
Chlorobenzene	25.0	24.0	96%	75-125
Chloroform	25.0	22.9	92%	75-125
1,1-Dichloroethene	25.0	25.6	102%	75-125
Ethylbenzene	25.0	21.6	86%	75-125
o-Xylene	25.0	19.3	77%	75-125
m,p-Xylene	50.0	41.0	82%	75-125
Toluene	25.0	29.4	118%	75-125
1,1,1-Trichloroethane	25.0	22.3	89%	75-125
Trichloroethene (TCE)	25.0	23.8	95%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			<b>M-BLK</b>	<b>120110-4</b>					
Dibromofluoromethane	25.0	70-130	81%	79%					
Toluene-d8	25.0	70-130	93%	99%					
4-Bromofluorobenzene	25.0	70-130	96%	93%					

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

\* = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.

S.R. = Sample Results

%RC = Percent Recovery

spk conc = Spike Concentration

ACP %RC = Accepted Percent Recovery

MS = Matrix Spike

MSD = Matrix Spike Duplicate

Analyzed/Reviewed By: 

Final Reviewer: 



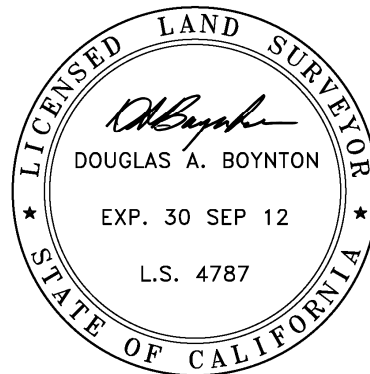


ATTACHMENT C

Dulin & Boynton  
Well Survey Data

**FERO**  
**10643 NORWALK BLVD**  
**SANTA FE SPRINGS, CA**

<u>WELL</u>	<u>ELEV</u>	<u>DESC</u>	<u>NORTH</u>	<u>EAST</u>
MW-1	137.08	2" PVC (N)	1799357.9	6539284.4
MW-1	137.55	RIM		
MW-1	137.56	CONCRETE		
MW-2	138.04	2" PVC (N)	1799506.2	6539246.5
MW-2	138.36	RIM		
MW-2	138.31	CONCRETE		
MW-3	137.73	2" PVC (N)	1799488.1	6539559.7
MW-3	138.17	RIM		
MW-3	138.1	GROUND		
MW-4	137.55	4" PVC (N)	1799464.0	6539430.3
MW-4	138.54	RIM		
MW-4	138.53	CONCRETE		



VERTICAL DATUM NAVD88

COUNTY OF LOS ANGELES BM #Y9667, BM TAG IN N WALL C. B.  
20' N/O BCR AT NW COR NORWALK BLVD AND FLORENCE AVE

2005 ELEV= 136.173 FEET NAVD88

HORIZONTAL DATUM NAD83, ZONE 5

NGS PID STATIONS AI4489 AND AJ1841 EPOCH DATE 2000.35